

Section 858—Miscellaneous Metals

858.1 General Description

This section includes the requirements for miscellaneous metals, such as lead for plates, pipes, and other uses, and miscellaneous bridge hardware.

858.1.01 Related References

A. Standard Specifications

General Provisions 101 through 150.

B. Referenced Documents

ASTM A 123/ A 123M

ASTM A 153/ A 153M

ASTM B 29

ASTM F 568M

858.2 Materials

858.2.01 Lead for Plates, Pipe, and Other Uses

A. Requirements

1. Use lead for plates, sheet, pipe, and other uses that meets the requirements of ASTM B 29, pig lead.
2. Use common, desilverized lead.

B. Fabrication

General Provisions 101 through 150.

C. Acceptance

General Provisions 101 through 150.

D. Materials Warranty

General Provisions 101 through 150.

858.2.02 Miscellaneous Bridge Hardware

A. Requirements

For miscellaneous hardware, use the design, size, and kind shown on the Plans or as directed by the Engineer.

1. Bolts and Dowels

Use machine bolts, drift bolts, and dowels that meet the requirements of ASTM F 568M, Class 4.6. Ensure that machine bolts have square heads and nuts and that the screw threads fit closely.

2. Nails and Spikes

Use steel wire nails and circular, cross-section spikes without taper.

Use steel boat spikes with forged heads and wedge-shaped shanks and points.

B. Fabrication

Galvanize hardware according to ASTM A 123/ A 123M or ASTM A 153/ A 153M, as applicable if the Plans specify galvanized hardware.

C. Acceptance

General Provisions 101 through 150.

D. Materials Warranty

General Provisions 101 through 150.